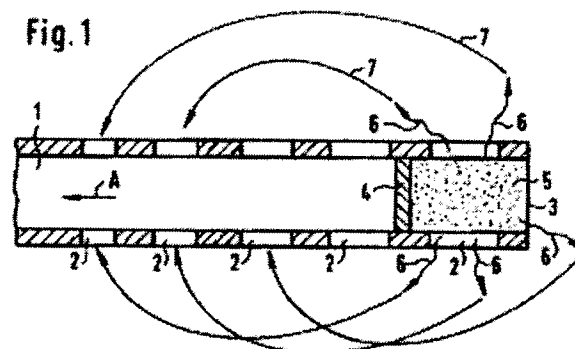


**Suction drainage device for secretions suction.****Publication number:** EP0476503**Publication date:** 1992-03-25**Inventor:** WOLTER DIETMAR PROF DR (DE)**Applicant:** WOLTER DIETMAR (DE)**Classification:****- International:** A61M1/00; A61M25/00; A61M27/00; A61M1/00;  
A61M25/00; A61M27/00; (IPC1-7): A61M27/00**- European:** A61M25/00; A61M27/00**Application number:** EP19910115376 19910911**Priority number(s):** DE19900013184U 19900917**Also published as:**JP4226671 (A)  
EP0476503 (B1)  
DE9013184U (U1)**Cited documents:**WO8905671  
FR2256769  
US3598127  
DE3533369**Report a data error here****Abstract of EP0476503**

The suction drainage device for suction of secretions and other fluids from the human or animal body, which device is provided with a substance depot (5) with an antibacterial action, is characterised in that the suction drainage device is provided with a plurality of openings (2) along its longitudinal extent, and the substance depot (5) closes off the end of the suction tube (1) to be introduced into the body.



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008970956 \*\*Image available\*\*

WPI Acc No: 1992-098225/199213

XRAM Acc No: C92-045567

XRPX Acc No: N92-073532

**Suction drain for removing secretions e.g. from wounds - consists of perforated tube with end cap or plug made of antibacterial material**

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Inventor: WOLTER D; WOLTERD

Number of Countries: 011 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 476503	A	19920325	EP 91115376	A	19910911	199213 B
EP 476503	B1	19950802	EP 91115376	A	19910911	199535
DE 59106130	G	19950907	DE 506130	A	19910911	199541
			EP 91115376	A	19910911	
US 5451215	A	19950919	US 91760733	A	19910916	199543
			US 9386926	A	19930702	
			US 95372885	A	19950113	
ES 2077752	T3	19951201	EP 91115376	A	19910911	199604

Priority Applications (No Type Date): DE 90U13184 U 19900917

Cited Patents: DE 3533369; FR 2256769; US 3598127; WO 8905671

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 476503	A		5		
Designated States (Regional): AT CH DE DK ES FR GB IT LI SE					
EP 476503	B1	G	7	A61M-027/00	
Designated States (Regional): AT CH DE DK ES FR GB IT LI SE					
DE 59106130	G			A61M-027/00	Based on patent EP 476503
US 5451215	A		6	A61M-011/00	CIP of application US 91760733
					Cont of application US 9386926
ES 2077752	T3			A61M-027/00	Based on patent EP 476503

Abstract (Basic): EP 476503 A

Drain for the removal of secretions etc. from human or animal bodies has an anti-bacterial component and consists of a suction tube (1) with a number of longitudinally distributed openings (2). The anti-bacterial component is in the form of a closure (5) which seals the end (3) of the tube which is introduced into the body. This closure may be inside the tube and separated (4) from the remainder of the tube interior, or may be in the form of a cap on the end of the tube.

The size of the openings decreases in the direction of suction (A). The tube may be coated with the anti-bacterial material. The anti-bacterial material may be enclosed in a material which can be re-absorbed by the body. The tube may consist at least in part of such a re-absorbable material within which the antibacterial material is contained.

USE/ADVANTAGE - Used in medicine, e.g. to assist the healing of wounds by removal of secretions etc. The proposed drain is of simple construction and is very effective.

Dwg.1/3

Abstract (Equivalent): EP 476503 B

Suction drain for the aspiration of discharges and other fluids from the human or animal body, which is provided with a material depot (5) with an antibacterial action, and, along its longitudinal extent, with a plurality of openings (2), characterized in that the material

depot (5) terminates the suction tube (1) end to be introduced into the body.

Dwg.1/3

Abstract (Equivalent): US 5451215 A

A suction drain for aspirating fluid from a body comprises an elongated tubular first portion for introduction into the body and having a constant outer dia. with a number of openings along its entire length; an interior portion and a terminal end supporting an antibacterial material.

The antibacterial is in the form of an end-cap which extends longitudinally outward from the terminal end of the first portion and has an outer dia. no larger than that of that first portion.

Pref. the antibacterial is enclosed in an absorbable material, e.g. polyglycolidelactide, and is itself gentamicin. Pref. a polymethyl-methacrylate is included as carrier.

USE - Used to reduce haemotoma.

Dwg.1/9

Title Terms: SUCTION; DRAIN; REMOVE; SECRETION; WOUND; CONSIST; PERFORATION ; TUBE; END; CAP; PLUG; MADE; ANTIBACTERIAL; MATERIAL

Derwent Class: A96; B07; D22; P34

International Patent Class (Main): A61M-011/00; A61M-027/00

File Segment: CPI; EngPI

Manual Codes (CPI/A-N): A12-V03D; B02-Z; B04-B04A6; B04-C03D; B11-C04B; D09-A01C; D09-C04

Plasdoc Codes (KS): 0013 0231 0500 0535 1291 1847 1986 2672 2673 2767 2768 2831 3011 3286

Polymer Fragment Codes (PF):

\*001\* 014 028 034 04- 074 077 081 082 143 144 175 195 256 27& 477  
489 525 526 55& 611 643 645 688 023 050 053 129 184 198 267  
267 276 276 283 301 328

Chemical Fragment Codes (M1):

\*02\* H7 H721 J0 J011 J2 J271 M210 M211 M213 M232 M262 M272 M281 M320 M423  
M424 M431 M510 M520 M530 M540 M740 M782 M903 M904 M910 P942 Q261 V0  
V743 R00479-M R00479-Q

\*03\* H4 H401 H481 H8 J0 J014 J1 J171 J2 J273 M280 M311 M312 M323 M331  
M340 M342 M349 M381 M393 M423 M424 M431 M510 M520 M530 M540 M620  
M740 M782 M903 M904 P942 Q261 V743 R00009-M R00009-Q R00448-M  
R00448-Q

\*04\* M423 M424 M431 M740 M782 M903 P942 Q261 V644 V752

Chemical Fragment Codes (M2):

\*01\* F012 F013 F014 F015 F016 F017 F019 F123 F199 G037 G563 H1 H101 H102  
H121 H122 H162 H181 H4 H403 H405 H422 H424 H461 H481 H5 H522 H8 KO  
L8 L814 L817 L818 L819 L821 L834 M1 M126 M129 M141 M149 M210 M211  
M240 M273 M281 M282 M311 M312 M321 M331 M340 M342 M373 M391 M413  
M424 M431 M510 M522 M530 M541 M740 M782 M903 M904 P942 Q261 V0 V071  
R03013-M R03014-M R03015-M R03842-M R03843-M R03844-M R03899-M

Derwent Registry Numbers: 1878-U

Specific Compound Numbers: R00479-M; R00479-Q; R00009-M; R00009-Q; R00448-M  
; R00448-Q; R03013-M; R03014-M; R03015-M; R03842-M; R03843-M; R03844-M;  
R03899-M

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